

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	ALV			

NOTES:

1. MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.
2. LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
3. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
4. DIALIGHT PART NUMBER: 553-0781-853F.
5. THIS ASSEMBLY CONTAINS ELECTROSTATIC SENSITIVE DEVICES(ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

RoHS Compliant 553-0781-853F Thru hole Bi-level CBL

Part Numbers with the "F" suffix ending are RoHS Compliant. The bag packaging is marked with "RoHS Compliant" label or equivalent markings.

Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp for 5 sec.

RED/GREEN BI-COLOR BOTTOM POSITION (LED POS 2.)

POWER DISSIPATION	100 mW
DERATE LINEALLY FROM 50 °C	.40 mA/°C
CONTINUOUS FORWARD CURRENT	30 mA
PEAK FORWARD CURRENT (10 ms PULSE WIDTE, 1/10 DUTY)	120 mA
PEAK REVERSE VOLTAGE	5 V
LEAD SOLDERING TEMPERATURE, 6 SEC., 1/16" FROM BASE	260 °C
OPERATING TEMPERATURE	-55 to +100°C
STORAGE TEMPERATURE	-55 to +100°C

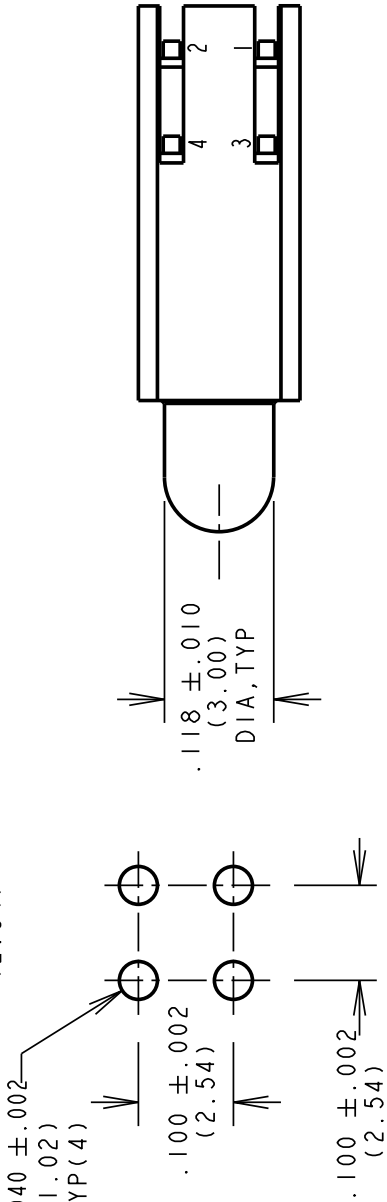
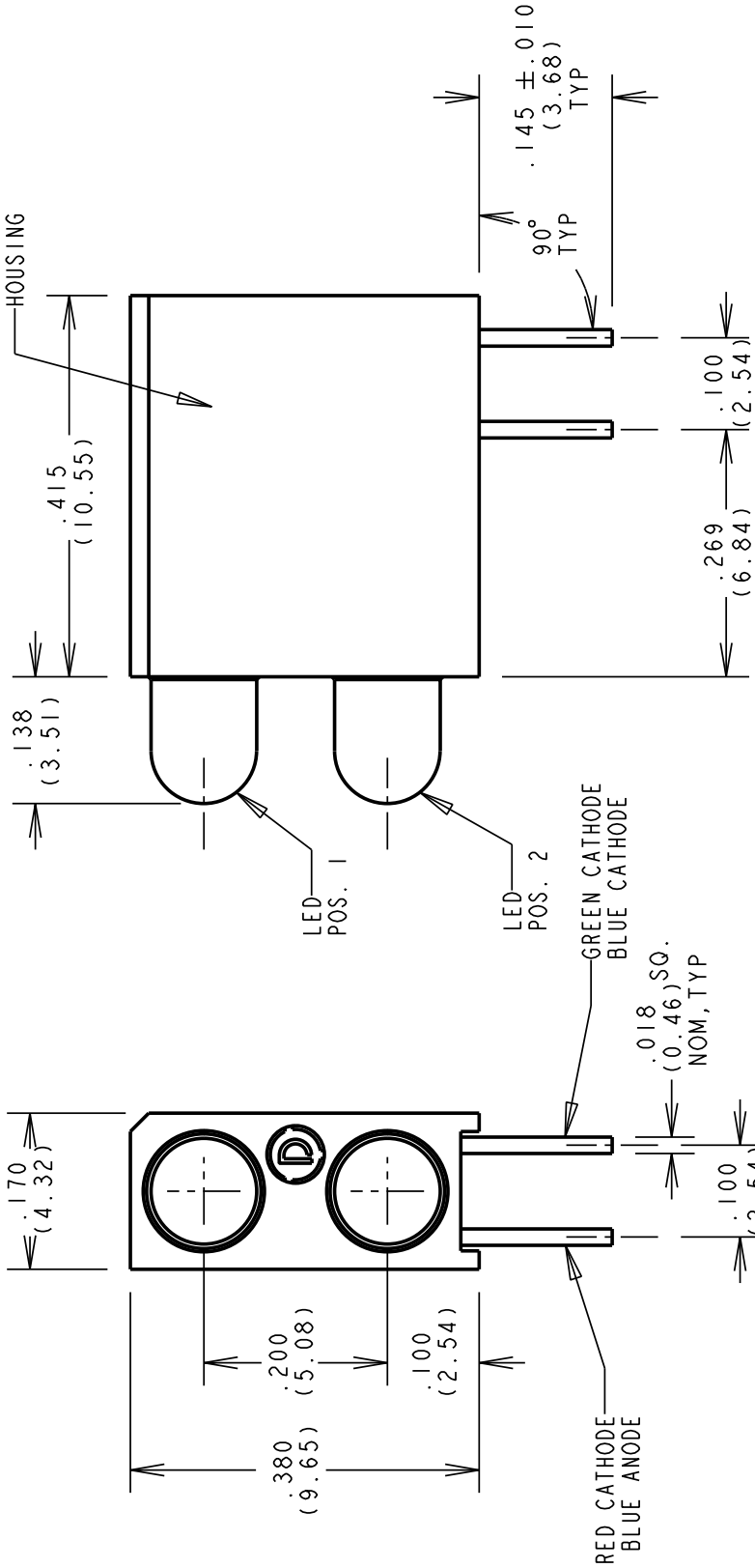
OPERATING CHARACTERISTICS AT 25 °C AMBIENT

LED CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST OPERATIONS
LUMINOUS INTENSITY	GREEN RED	3.7 2.5	10.0 4.7		mcd	I _f = 10mA
FORWARD VOLTAGE	GREEN RED		2.1 2.0	2.8	V	I _f = 20mA
REVERSE CURRENT	GREEN RED			100	μA	V _r = 5 V
PEAK WAVELENGTH	GREEN RED		565 635		nm	I _f = 20 mA
2 = 1/2 - INTENSITY ANGLE	GREEN RED		60		DEGREES	I _f = 20mA
CAPACITANCE	GREEN RED		35 20		pF	V _r = 0 V, f = 1 MHz

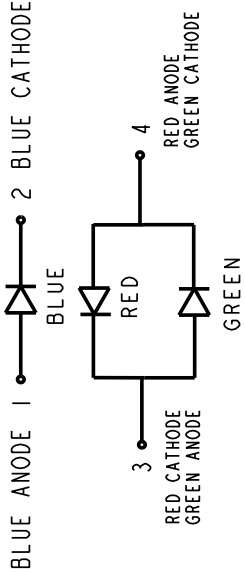
ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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SCALE: 5:1		DRAWING NUMBER C-17439	REV A
ALL DIM'S IN: INCHES (MM)			
TOLERANCES: UNLESS OTHERWISE SPECIFIED			
FRACTIONS: $\pm 1/64$			
DECIMALS (..XX): $\pm .01$			
DECIMALS (..XXX): $\pm .005$			
DECIMALS (..XXXX): $\pm .0005$			
ANGLES: $\pm 1^\circ$			
FINISH:			
		1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	



RECOMMENDED PC BOARD HOLE PATTERN



BLUE LED TOP POSITION (LED POS 1)

ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT	BLUE	UNITS
POWER DISSIPATION	90	mW
FORWARD CURRENT	20	mA
OPERATING LINEAR FROM 50°C	-44	mA/°C
REVERSE VOLTAGE	5	V
LEAD SOLDERING TEMPERATURE, 5 SEC, 1/16" FROM BODY	260	°C
OPERATING TEMPERATURE	-55 to +100	°C
STORAGE TEMPERATURE	-55 to +100	°C

OPERATING CHARACTERISTICS AT 25 °C AMBIENT						
CHARACTERISTICS		MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS	INTENSITY	7.1	12.5	18.0		I f = 10 mA
FORWARD	VOLTAGE		3.5	4.1		I f = 10 mA
		462	465	468		
PEAK EMISSION	WAVELENGTH		428			
VIEW ANGLE	2 1/2		70			

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		SHEET	OF
		FAMILY TABLE:	